# Overview of Mental Health Surveillance (OEF/OIF)

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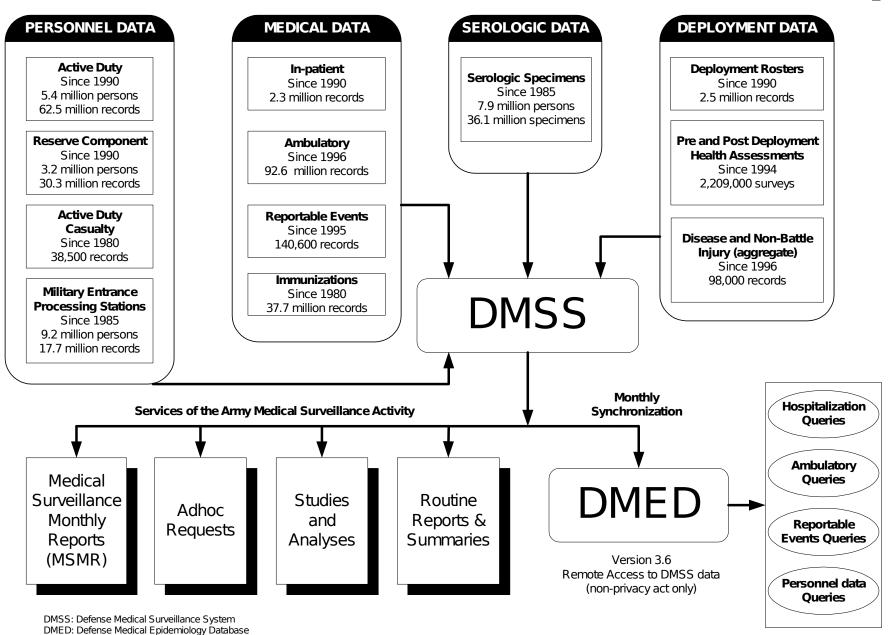
AFEB Meeting, November 30th, 2004



# Deployment Mental Health Surveillance

- Defense Medical Surveillance System
- Surveillance of Medical Encounters
  - Deployed vs. non-deployed
- Deployment Mental Health Surveillance
  - Deployed vs. non-deployed
  - Post deployment health assessments
  - Referrals for mental health care

### DMSS Structure and Functional Relationships

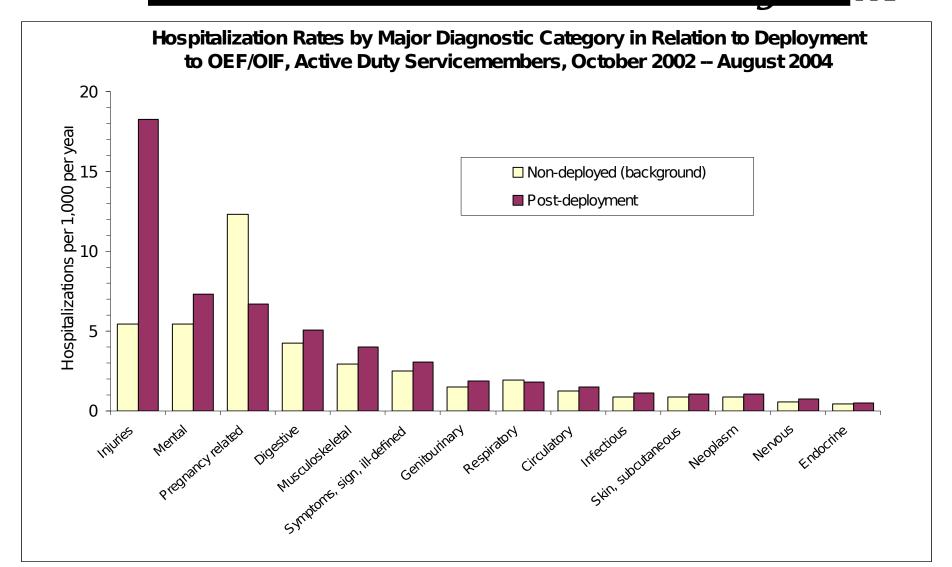




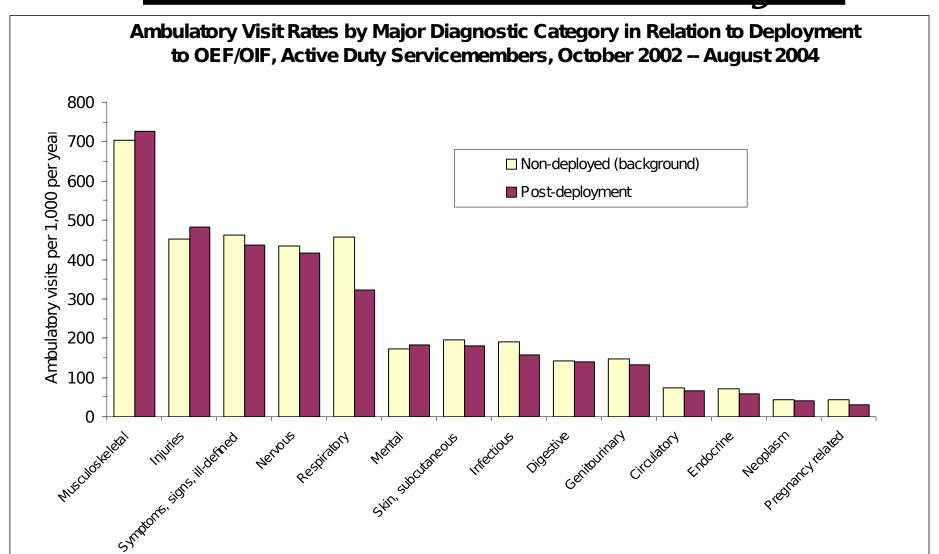
# Surveillance of Medical Encounters

- Returning active duty servicemembers tracked up to one year after returning from Operation Enduring Freedom (OEF) / Operation Iraqi Freedom (OIF)
- Compared to non-deployed AD members (background rates)
- Data sources: Defense Medical Surveillance System (DMSS)
  - DMDC deployment roster
- Analysis period: 01October2002 31August2004

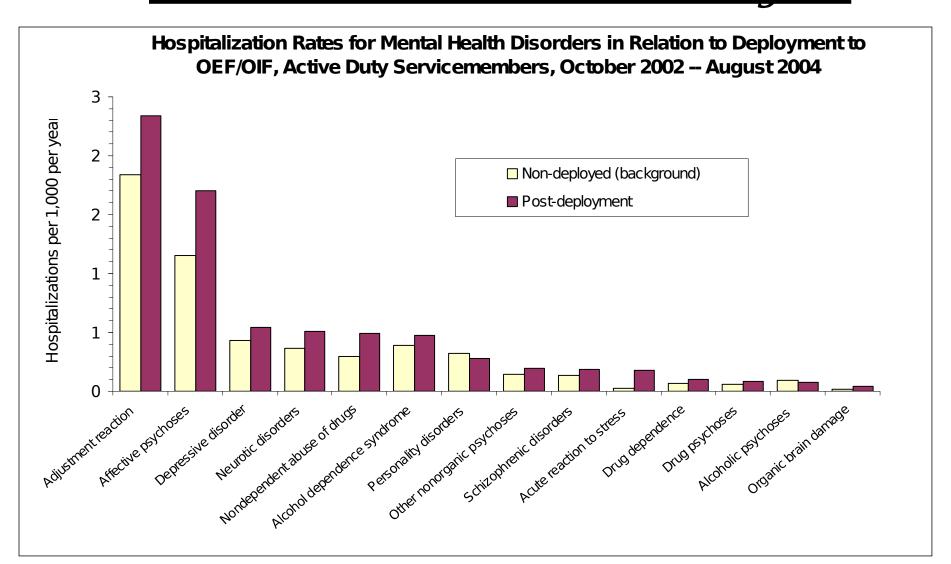




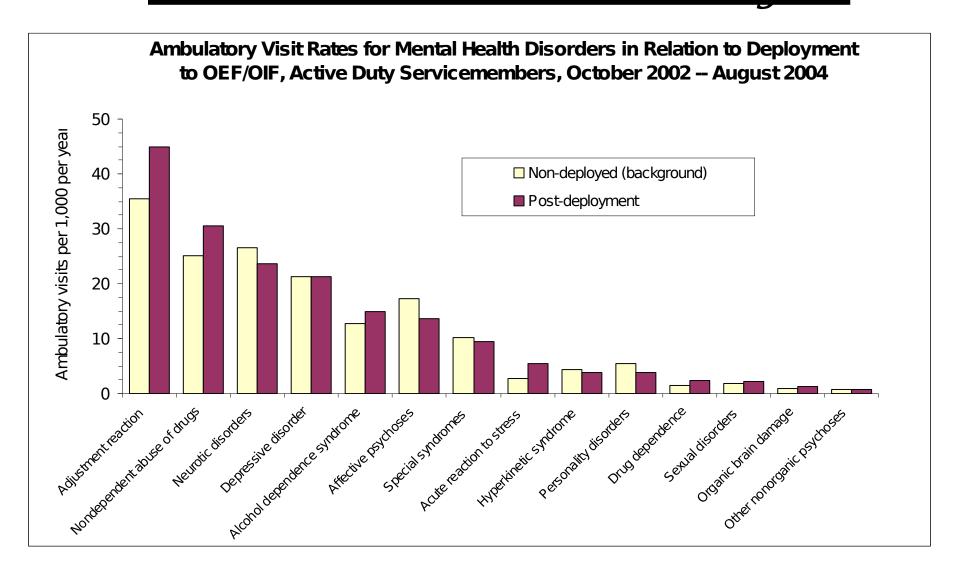












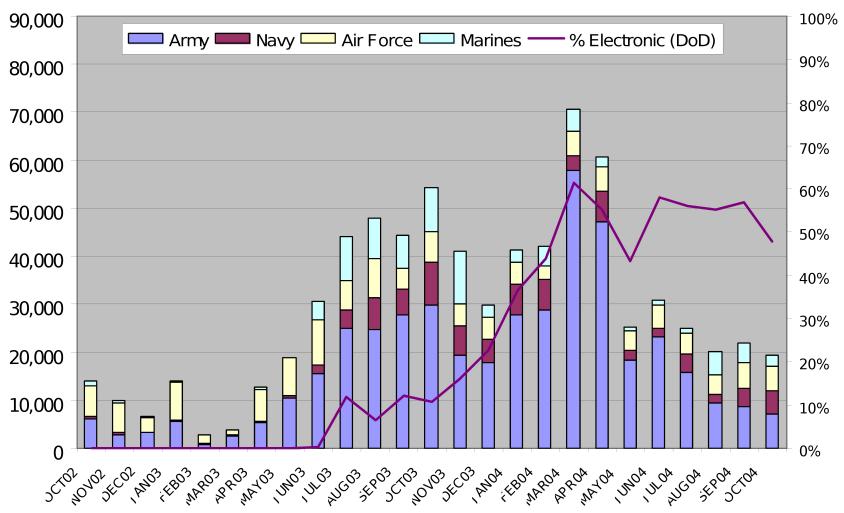


### Responses to Mental Health Questions In Relation to MH Referrals and Prior Mental Health Care

- Population includes all active duty and reserve component servicemembers filling out a four page post-deployment health assessment
- Specific clinic referrals information has been dataentered for paper forms going back to October 2002
- Data source: Defense Medical Surveillance System (DMSS)
  - » Health Assessments Forms (paper and electronic)
  - » Inpatient and outpatient mental health encounters in prior 3 years
- Analysis period: 01 June 2003 30 September 2004



#### Total Post-Deployment Health Assessments (DD 2796), DoD, Oct 2002 - Present\*





### ental Health Questions on Post-Deployment Health Assessm

10.	Are you	u currently	interested	in receivir	g help	for	a stress,
	emotio	nal, alcoho	ol or family	problem?			

0	No	0	Yes

 Have you ever had any experience that was so frightening, horrible, or upsetting that, IN THE PAST MONTH, you ....

No	Yes	
0	0	Have had any nightmares about it or thought about it when you did not want to?
0	0	Tried hard not to think about it or went out of your way to avoid situations that remind you of it?
0	0	Were constantly on guard, watchful, or easily startled?
0	0	Felt numb or detached from others, activities,

or your surroundings?

11. Over the LAST 2 WEEKS, how often have you been bothered by any of the following problems?

None	Some	A Lot	
0	0	0	Little interest or pleasure in doing things
0	0	0	Feeling down, depressed, or hopeless
0	0	0	Thoughts that you would be better off dead or hurting yourself in some way

13. Are you having thoughts or concerns that ...

No	Yes	Unsure	
0	0	0	You may have serious conflicts with your spouse, family members, or close friends?
0	0	0	You might hurt or lose control with someone?

4. During this deployment have you sought, or do you now intend to seek, counseling or care for your mental health?

O Yes

O No



Percent Positive Responses to Selected Mental Health Questions
DD 2796, US Armed Forces, J une 2003 - September 2004

Percent Positive Response <u>Active Duty</u>						
	Army	Navy	Air Force	Marines	Total (DoD)	
#10 Interested in receiving help for MH problem	4%	3%	1%	2%	3%	
#11 Bothered by problems (sign of depression)	24%	27%	10%	29%	23%	
#12 Had a frightening or upsetting experience	20%	8%	4%	15%	14%	
#13 Had thoughts or concerns about losing control	8%	8%	2%	8%	7%	
#4 Intends to seek mental health care	5%	2%	1%	2%	4%	
Reserve and National Guard		Perc	ent Positive Resp	oonse		
Reserve and National Guard	Army	Perc <b>Navy</b>	ent Positive Resp	oonse <b>Marines</b>	Total (DoD)	
Reserve and National Guard #10 Interested in receiving help for MH problem	<b>Army</b> 5%				Total (DoD) 4%	
	-	Navy	Air Force	Marines		
#10 Interested in receiving help for MH problem	5%	Navy 3%	Air Force	<b>Marines</b> 2%	4%	
#10 Interested in receiving help for MH problem #11 Bothered by problems (sign of depression)	5% 20%	<b>Navy</b> 3% 13%	Air Force 1% 8%	<b>Marines</b> 2% 30%	4% 19%	



Percent Referred for Mental DD 2796, US A					n Questions	3
Active Duty		Percen	t referred		Total	(DoD)
Active Duty	Army	Navy	Air Force	Marines	n	% referred
Positive response to questions #10 - #13	7%	2%	4%	2%	104,208	5%
Negative response to questions #10 - #13	1%	0%	0%	0%	228,374	0%
Intends to seek mental health care (#4)	34%	16%	29%	20%	11,886	31%
Does not Intend to seek mental health care	1%	0%	0%	0%	320,696	1%
Reserve and National Guard		Percer	Total (DoD)			
Neserve and Waterial Gadra	Army	Navy	Air Force	Marines	n	% referred
Positive response to questions #10 - #13	7%	3%	3%	2%	45,802	6%
Negative response to questions #10 - #13	0%	0%	0%	0%	130,276	0%
Intends to seek mental health care (#4)	24%	16%	20%	16%	9,140	24%
Does not Intend to seek mental health care	1%	0%	0%	0%	166,938	1%



Positive response to questions #10 - #13

Negative response to questions #10 - #13

Intends to seek mental health care (#4)

Does not intend to seek mental health care

### Defense Medical Surveillance <u>Syste</u>m

Active Duty	Percent with History of MH Care within previous 3 years							
<del></del>	Army	Navy	Air Force	Marines	Total (DoD)			
Positive response to questions #10 - #13	10%	9%	13%	7%	10%			
Negative response to questions #10 - #13	8%	7%	9%	6%	8%			
Intends to seek mental health care (#4)	16%	18%	18%	13%	16%			
Does not intend to seek mental health care	9%	8%	10%	6%	8%			

**Navy** 

5%

3%

18%

3%

**Army** 

8%

5%

24%

4%

**Air Force** 

2%

2%

8%

2%

Percent with History of Mental Health Care by Responses to Mental Health Questions DD 2796 US Armed Forces Tune 2003 - Sentember 2004

Total (DoD)

7%

4%

23%

4%

**Marines** 

2%

1%

4%

1%



### Percent with History of Mental Health Care by Referral Patterns for Mental Health DD 2796, US Armed Forces, J une 2003 - September 2004

Active Duty	Percent with History of MH Care within previous 3 years					
Active Duty	Army	Navy	Air Force	Marines	Total (DoD)	
Referred for mental health care	21%	23%	22%	15%	21%	
Not referred for mental health care	10%	8%	10%	7%	9%	
Reserve and National Guard	Percent with History of MH Care within previous 3 years					
Neserve and National Guard	Army	Navy	Air Force	Marines	Total (DoD)	
Referred for mental health care	1.40/	150/	00/	<b>F</b> 0/		
Referred for mental fleatureate	14%	15%	9%	5%	13%	



#### Summary of Referrals from Post-Deployment Health Assessments Active Component Servicemembers, 01J an 2003 to present

Referral type*	Number of referrals	Percent with any followup				
Clinic Referrals						
Dental	10,141	89.9				
Orthopedic	9,092	94.0				
Mental Health	5,883	91.2				
Dermatology	2,793	90.6				
Pulmonary	1,732	93.6				
Audiology	3,548	86.2				
Neurologic	1,572	94.0				
ENT	1,377	91.9				
Eye	1,817	91.2				
GYN	946	96.5				
GI	896	92.5				
GU	514	92.4				
Pregnancy	308	98.4				
Cardiology	626	93.9				
Other referrals						
Other	23956**	92.4				
Combat/Operational Stress Reaction	2,346	92.3				
Family Problems	1,321	88.5				
Fatigue, Malaise, Multisystem Complaint	1,305	91.4				
Total number of forms	341,697					
Total number of forms with referrals	59,003					
Percent with referral	<b>17</b> %					

<sup>\*</sup>One or more referrals type may be indicated on forms

<sup>\*\*</sup> Includes routine follow-up care